

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-167971

(43)Date of publication of application : 14.06.1994

(51)Int.Cl.

G10H 1/053

(21)Application number : 05-096890

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(22)Date of filing : 31.03.1993

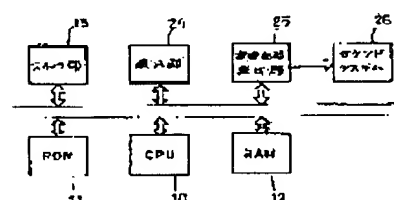
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(54) PLAYING DEVICE

(57)Abstract:

PURPOSE: To obtain the playing device which can select the optimum velocity conversion characteristics for a player by providing a means which determines conversion characteristics on the basis of a velocity at the time of the operation of a playing operation element.

CONSTITUTION: A CPU to performs processing for display, vocalization etc., required for an electronic piano according to data stored in a ROM 11 and a RAM 12. The ROM 11 is provided with a velocity conversion table group and a table for its selection use. When an actual frequency of keying exceeds a set frequency, the integral value of the velocity stored in a register is divided with the set frequency of keying to obtain a mean value per single-time keying of the musical instrument user. Then a velocity conversion table is selected on the basis of a playing result and a music strength and weakness classification. Namely, even if a finger force is weak like a child and the keying velocity is low, a high velocity for musical sound control use is outputted. Thus, the machine evaluates the playing performance of the player, who can automatically select the optimum velocity conversion characteristics.



LEGAL STATUS

[Date of request for examination] 06.04.1993

[Date of sending the examiner's decision of rejection] 20.08.1996

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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